

NOTATION

The following is a list of the acronyms, initialisms, and abbreviations (including chemical symbols and units of measurements) used in this book.

ACRONYMS, INITIALISMS, AND ABBREVIATIONS

AFBC	atmospheric fluidized-bed combustion
AHP	Analytical Hierarchy Process
BRAC	Benefit of Reducing Atmospheric Carbon
BOD	biochemical oxygen demand
CCC	cost of conserved carbon
CCE	cost of conserved energy
CENR	Committee on Environment and Natural Resources
CGE	computable general equilibrium
CHP	combined heat and power
COMAP	COmprehensive Mitigation Assessment Process for forestry
COPATH	Carbon, Pasture, Agriculture, Total, Harvesting
CSMT	Country Studies Management Team
DOC	degradable organic carbon
DOE	U.S. Department of Energy
DOS	U.S. Department of State
EMS	energy management systems
ENPEP	ENergy and Power Evaluation Program
EPA	U.S. Environmental Protection Agency
EPIC	Erosion and Productivity Impact Calculator
FAO	Food and Agricultural Organization
GEF	Global Environment Facility
GDP	gross domestic product
GHGs	greenhouse gases

GWP	global warming potential(s)
HVAC	heating, ventilation, and air conditioning
IAEA	International Atomic Energy Agency
IGCC	integrated gasification combined cycle
IPCC	Intergovernmental Panel on Climate Change
LEAP	Long-Range Energy Alternative Planning
LIEF	Long-run Industrial Energy Forecasting model
LUCS	Land-use and Carbon Sequestration model
MARKAL- MACRO	Market Allocation Macro-economic model
MIMEC	Multisectoral, Intertemporal Model of Emissions Constraints
MSW	municipal solid waste
NGO	nongovernmental organization
NOAA	National Oceanic and Atmospheric Administration
O&M	operating and maintenance
OECD	Organization for Economic Cooperation and Development
ORNL	Oak Ridge National Laboratory
OTA	Office of Technology Assessment
PC	pulverized coal
PFBC	pressurized fluidized-bed combustion
PVC	polyvinyl chloride
RET	renewable energy technologies
SOC	soil organic carbon
SRF	short-rotation forestry
STAIR	Services, Transport, Agriculture, Industry, and Residential energy model
T&D	transmission and distribution
UEC	unit energy consumption
UNEP	United Nations Environment Programme

USAID	U.S. Agency for International Development
USDA	U.S. Department of Agriculture
VA	value added
VS	volatile solids
WRDC	World Radiation Data Center

CHEMICAL SYMBOLS AND ABBREVIATIONS

C	carbon
Ceq	carbon equivalent
CO ₂	carbon dioxide
CO	carbon monoxide
CFC	chlorofluorocarbons
CH ₄	methane
H ₂	hydrogen
HCFC	halochlorofluorocarbons
NMHC	non-methane hydrocarbons
NO _x	nitrogen oxides
N ₂	nitrogen
N ₂ O	nitrous oxide
O ₂	oxygen
O ₃	ozone
SO _x	sulfur oxides

UNITS OF MEASUREMENT

Btu	British thermal unit
°C	degree(s) Celsius
d	day(s)
g	gram(s)
GJ	gigajoule
ha	hectare(s)
km	kilometer(s)
kW	kilowatt
kWh	kilowatt-hour
L	liters
m	meter(s)
m ³	cubic meter(s)
MWe	megawatt electric
Pg	petagram(s)
RPM	rotations per minute
tC	tonnes of carbon
Tg	teragrams
TOE	tonnes of oil equivalent
TWh	terawatt-hours
yr	year